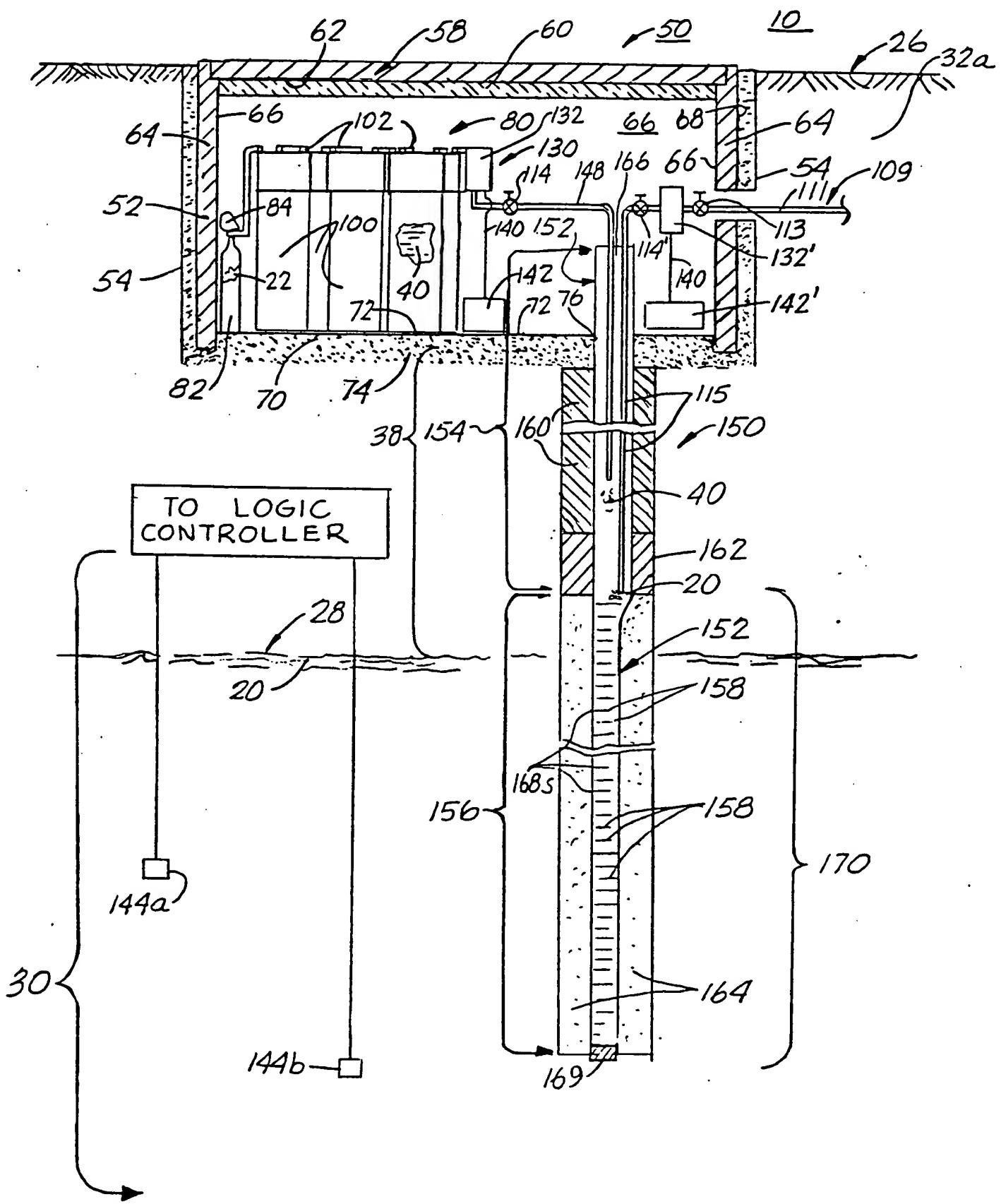


FIG. 1



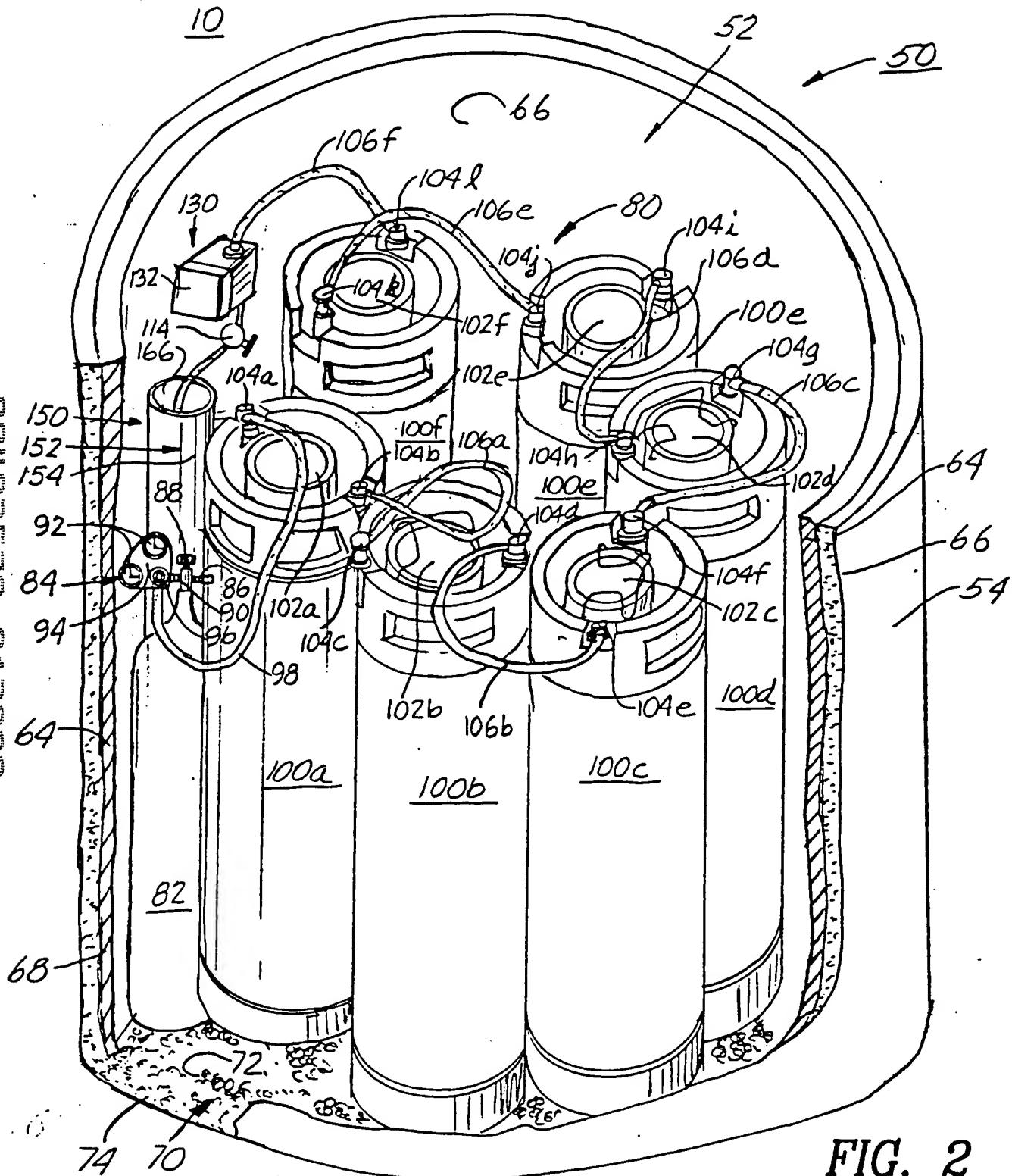


FIG. 2

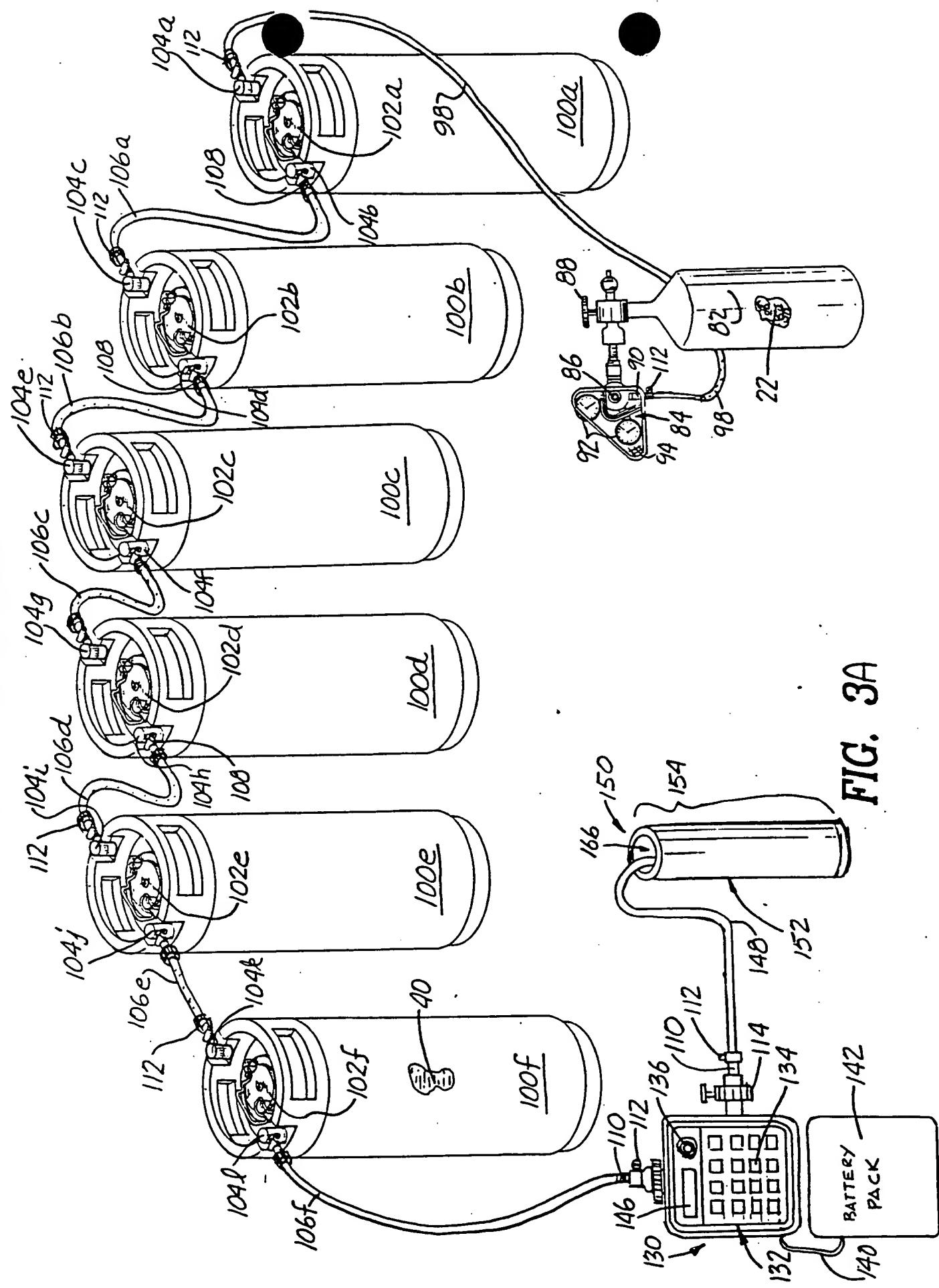
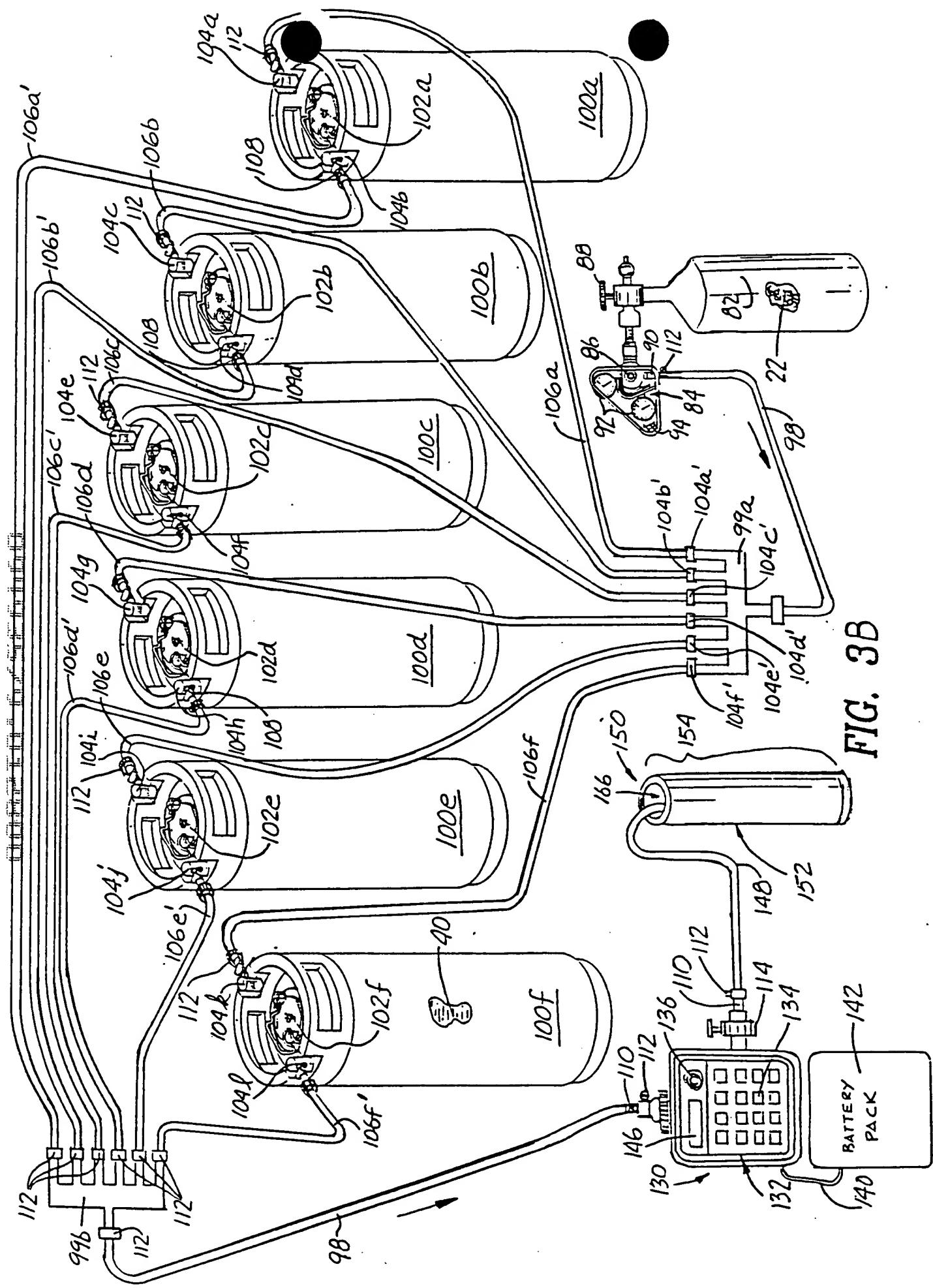


FIG. 3A



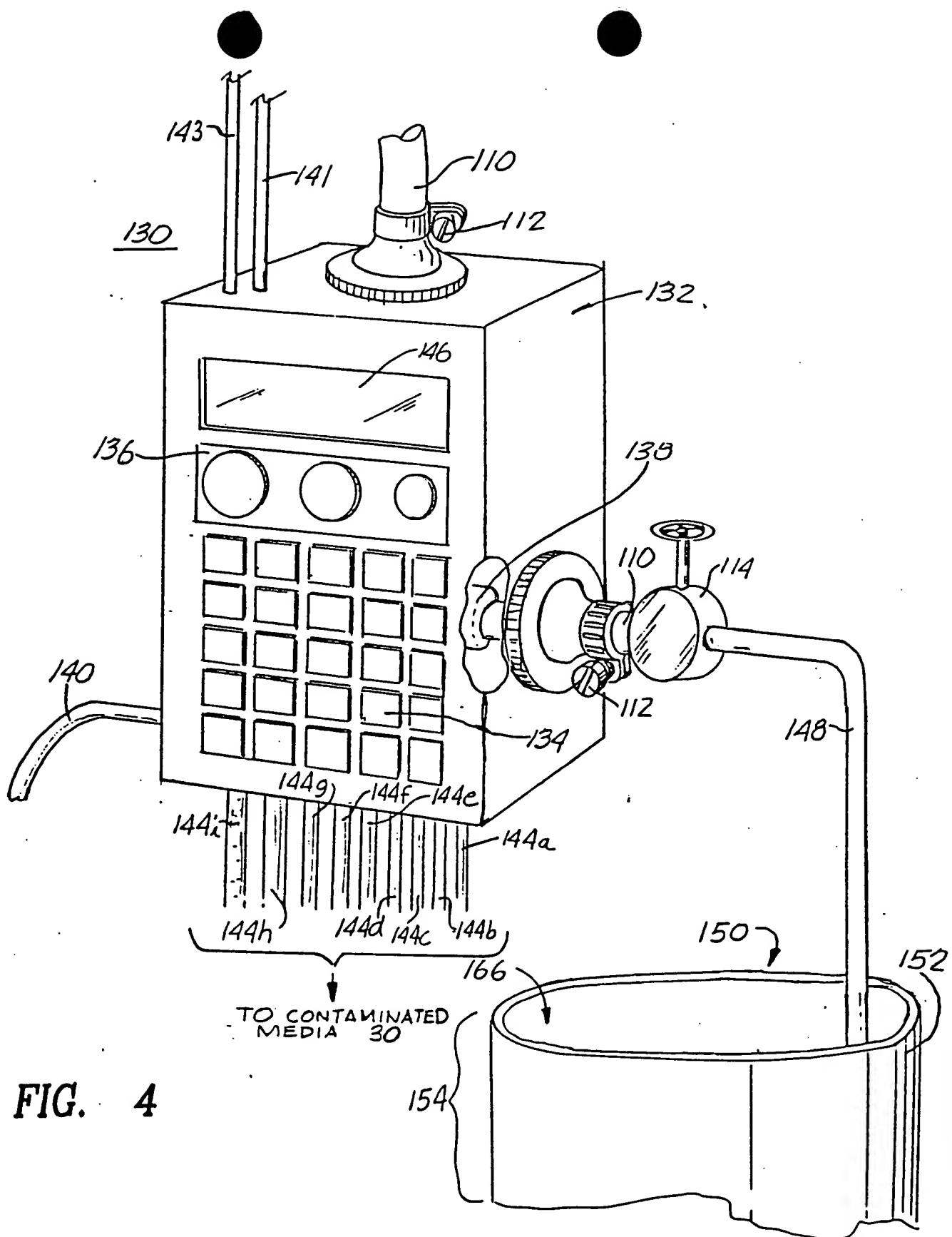


FIG. 4

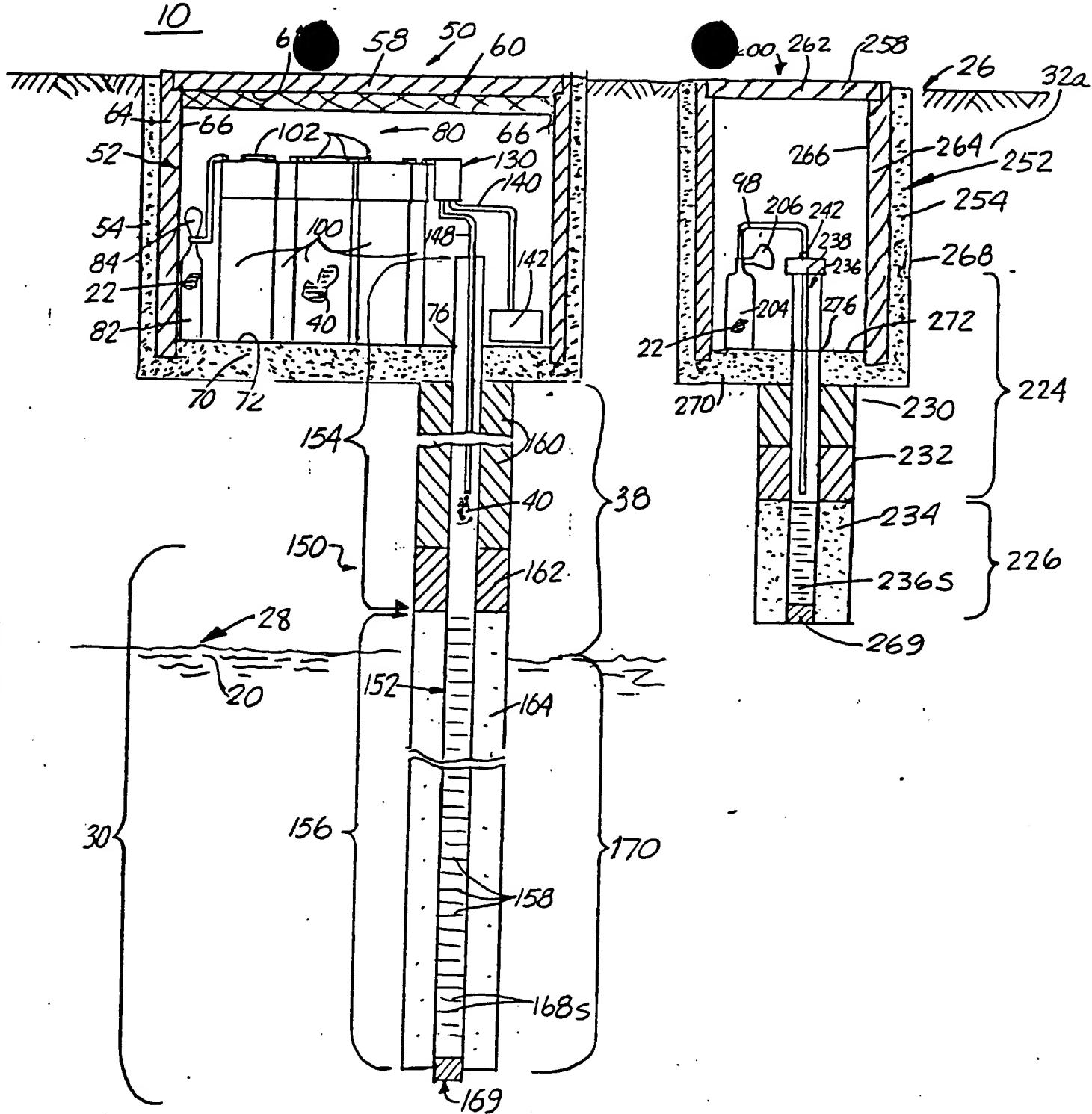


FIG. 5

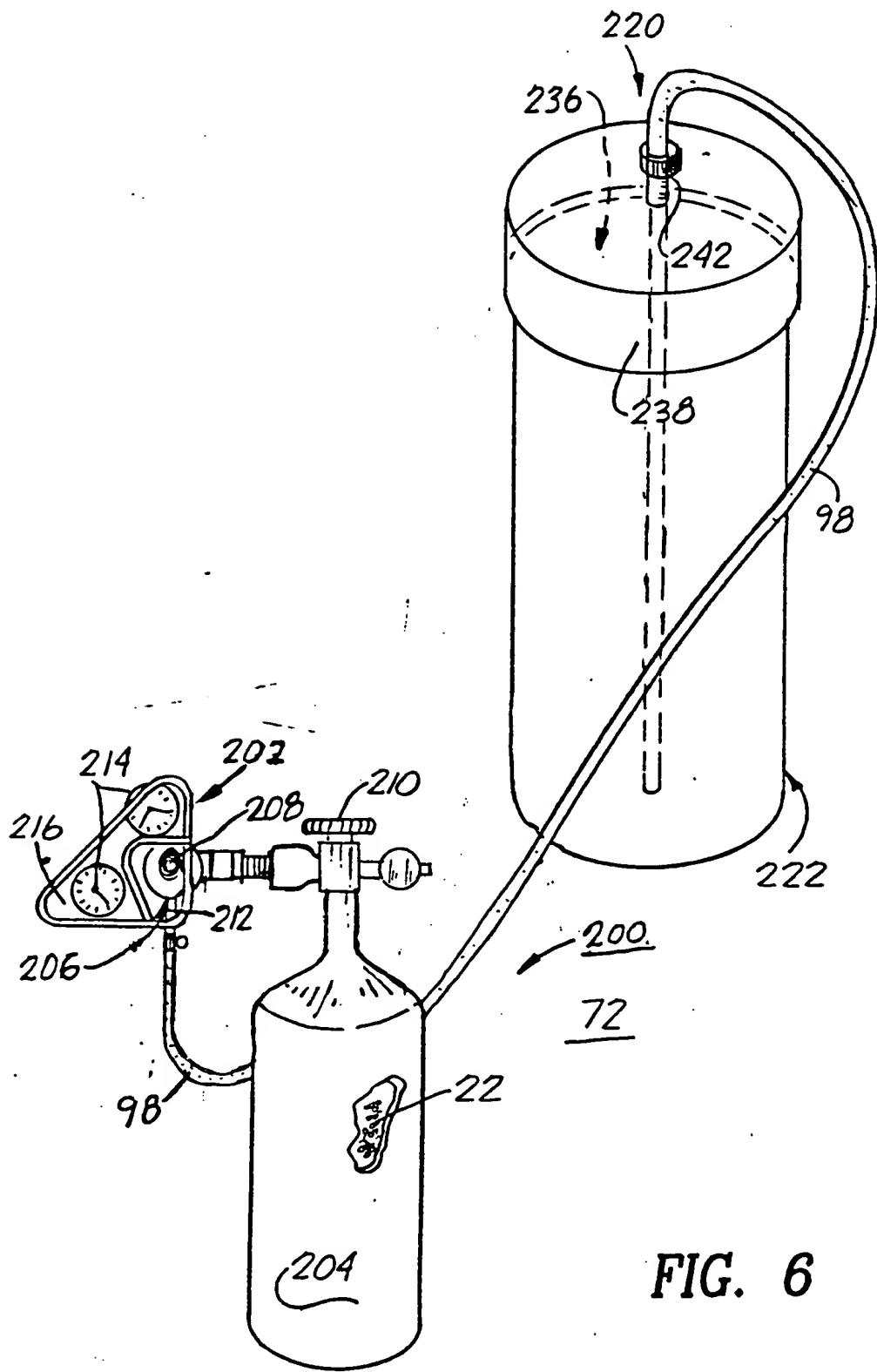
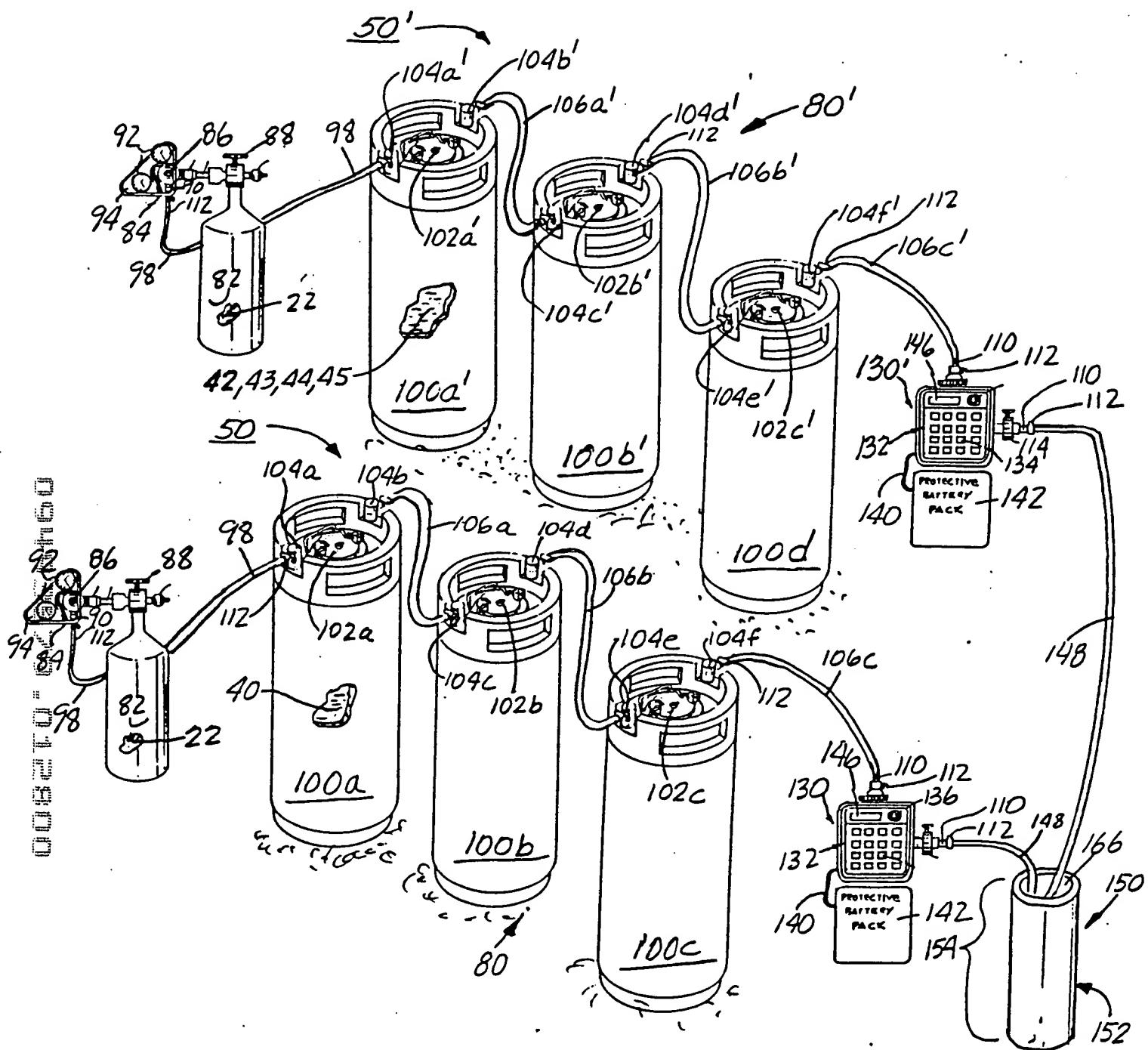


FIG. 6



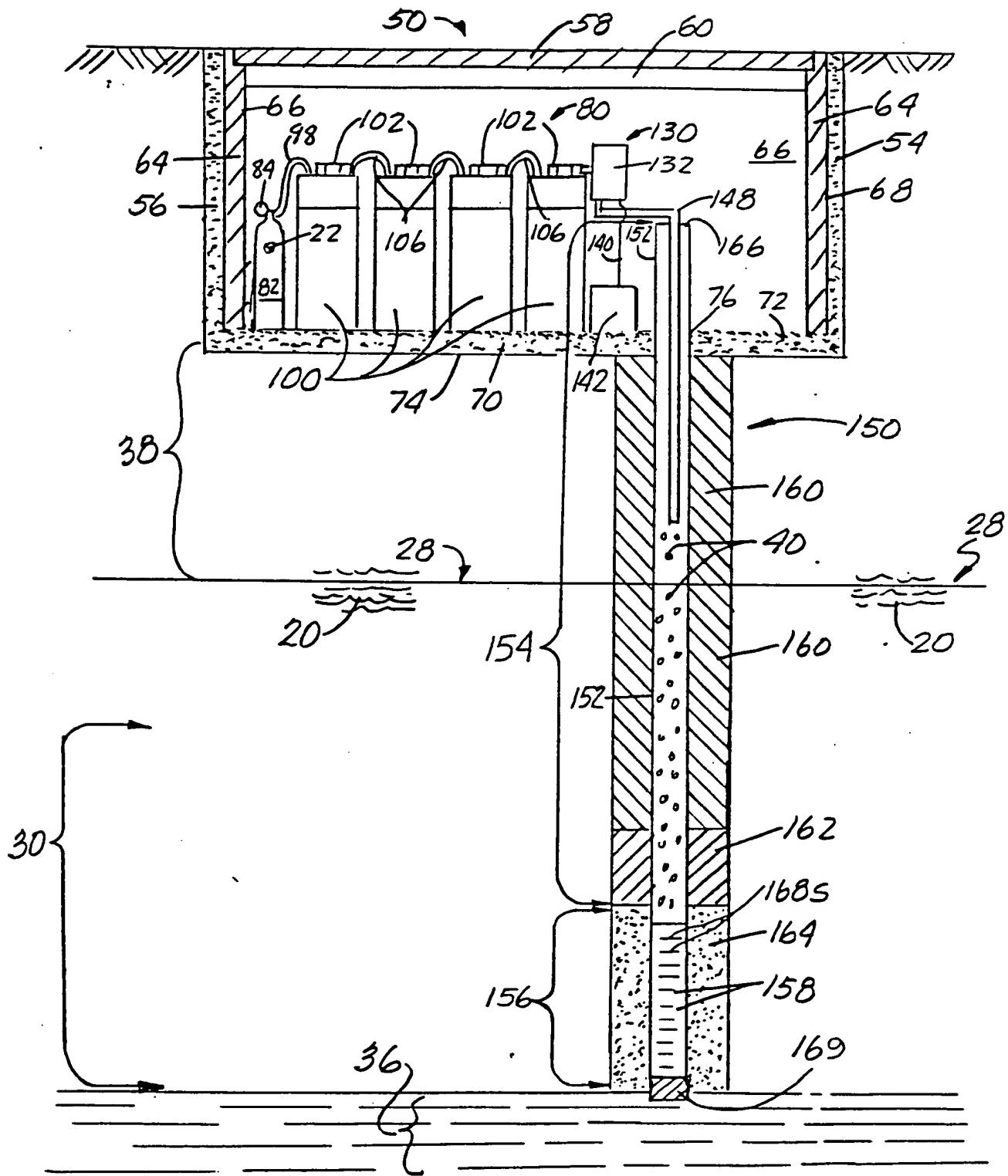


FIG. 8

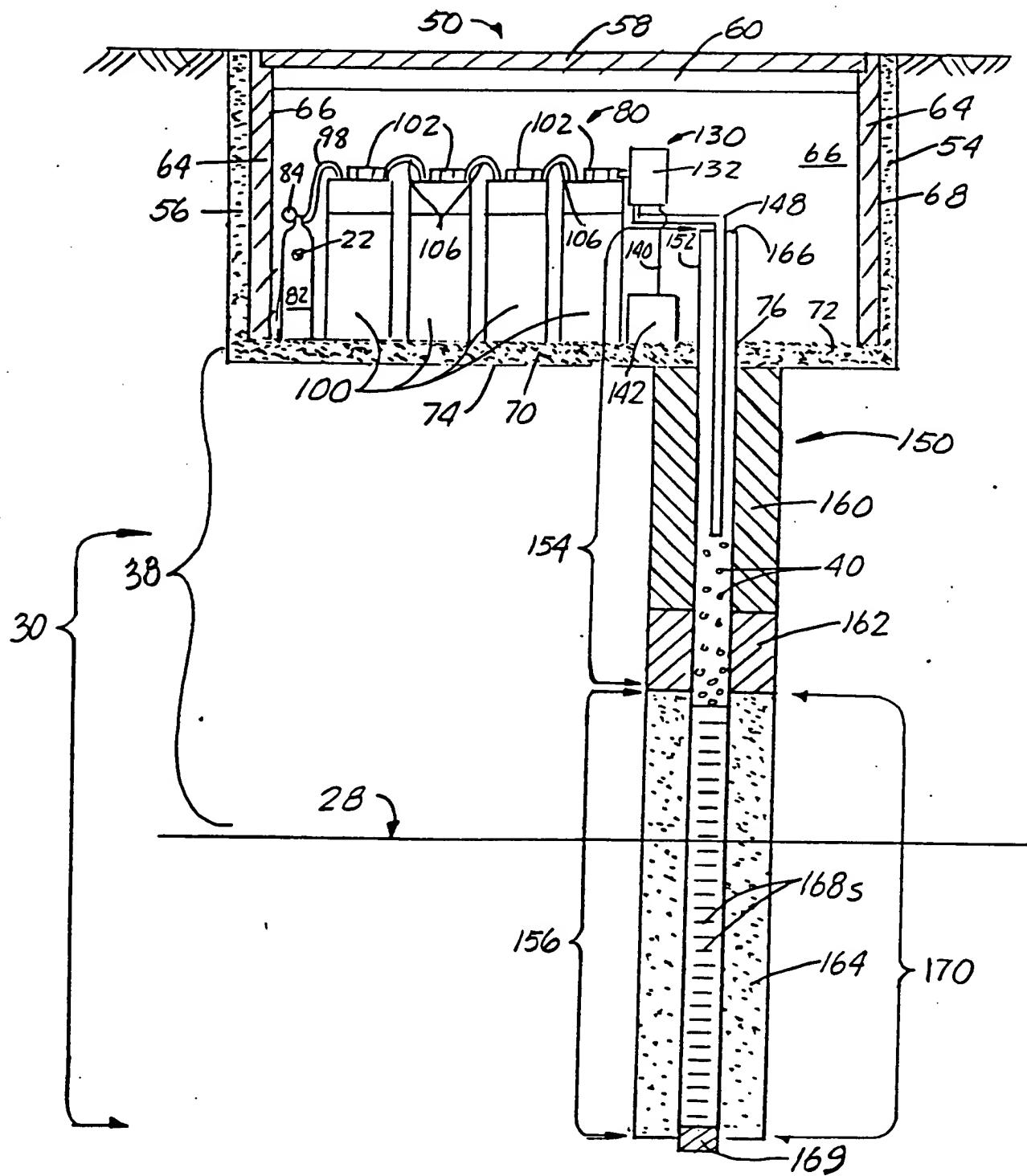
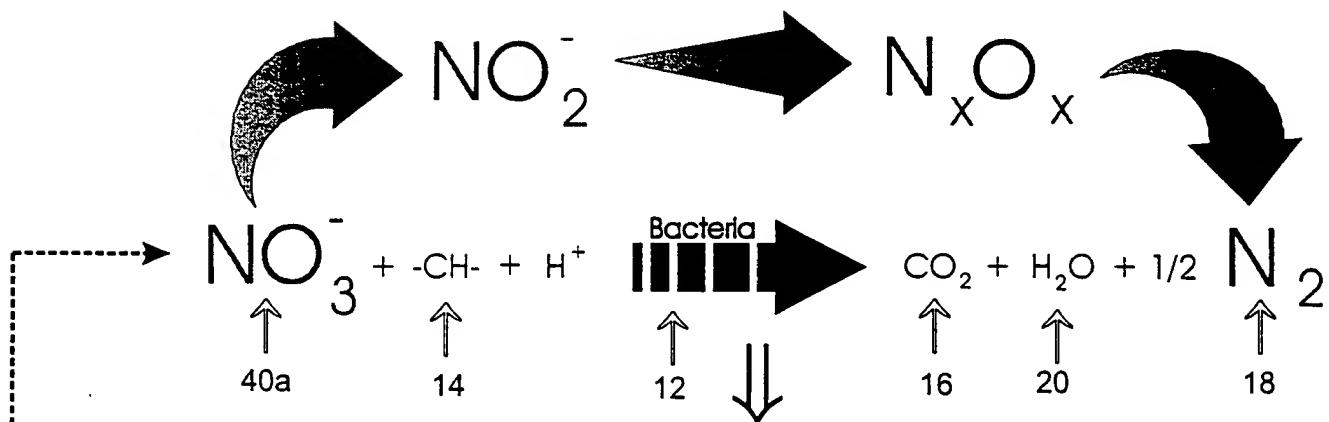
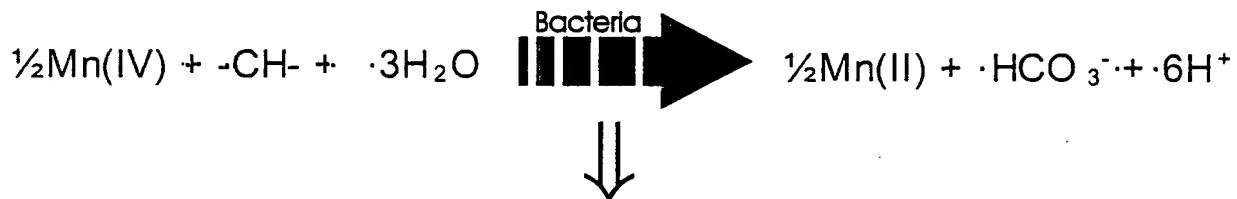


FIG. 9

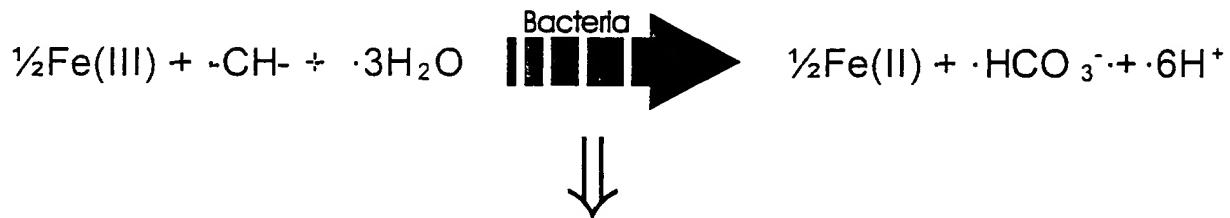
Denitrification



Manganese(IV) Reduction



Iron(III) Reduction



Sulfate Reduction

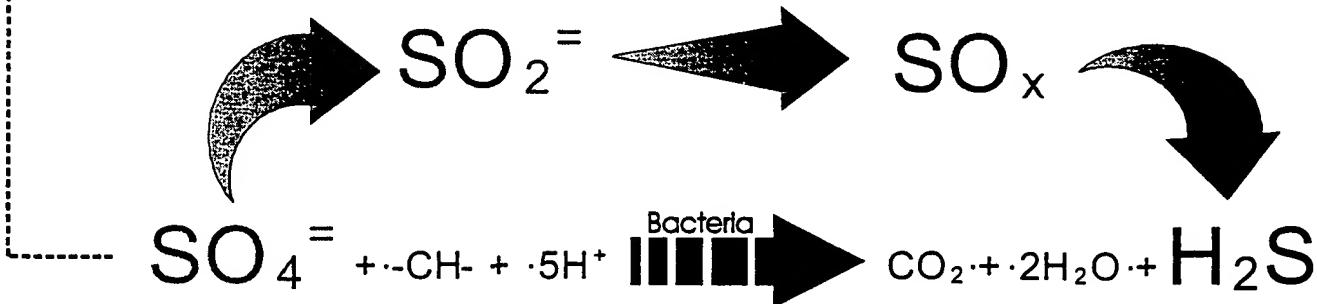


FIG. 10

Example of ABS Redox Cycling: Typical Daily Cycle

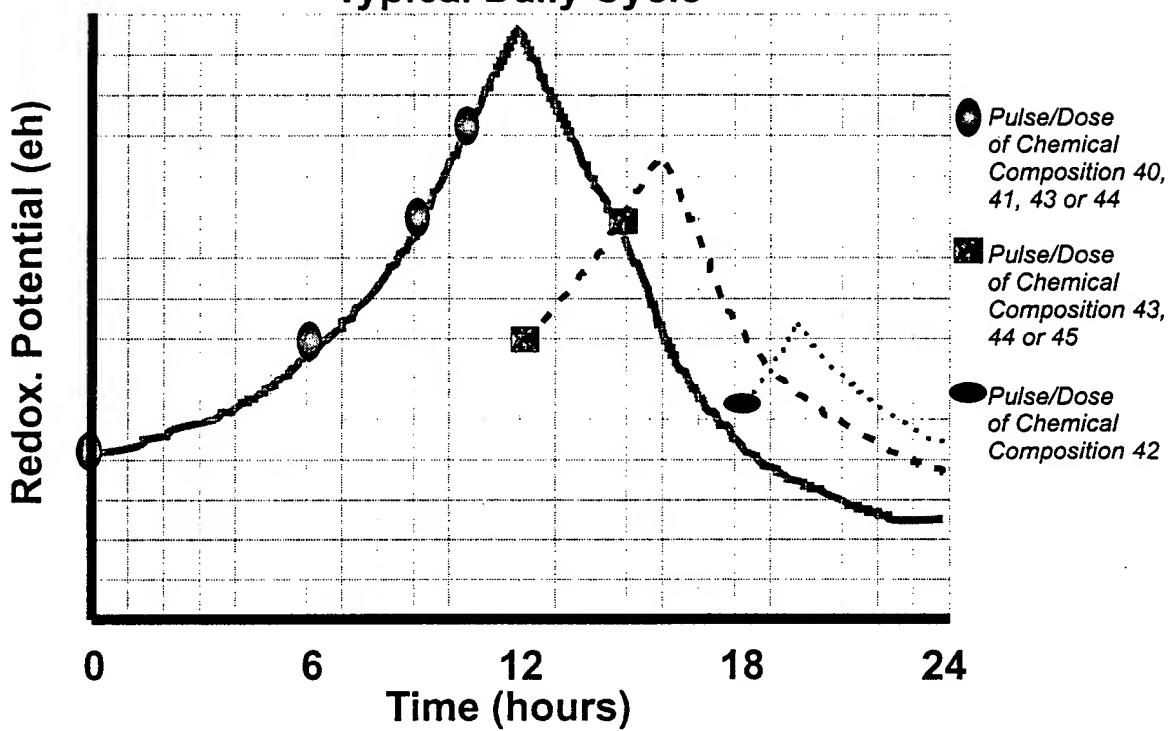


FIG. 11